

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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Title of Invention	SINGLE COIL SOLENOID HAVING A PERMANENT MAGNET WITH BI-DIRECTIONAL ASSIST																																																																																																																																																																						
<p>Application Number :</p> <p>Confirmation Number:</p> <p>First Named Applicant: Richard Kolb</p> <p>Attorney Docket Number: SSPI0015.001</p> <p>Art Unit:</p> <p>Examiner:</p> <p>Search string: (4074157 or 4086647 or RE32793 or 4168516 or 4407517 or 4626860 or 4679017 or 4871989 or 4922873 or 5272458 or 5592356 or 6051897 or 6265956 or 6392516 or 6459348 or 6489870 or 6498416 or 6501357 or D378513).pn</p>																																																																																																																																																																							
<h3>US Patent Documents</h3> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>4074157</td><td>1978-02-14</td><td>Lace</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>4086647</td><td>1978-04-25</td><td>Lace</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>RE32793</td><td>1988-11-29</td><td>Baker et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>4168516</td><td>1979-09-18</td><td>Lace</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>4407517</td><td>1983-10-04</td><td>Neyer</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>4626860</td><td>1986-11-18</td><td>Baker et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>4679017</td><td>1987-07-07</td><td>Mishler et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>4871989</td><td>1989-10-03</td><td>Gross</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>4922873</td><td>1990-05-08</td><td>Gaeti</td><td></td><td></td><td></td></tr><tr><td></td><td>10</td><td>5272458</td><td>1993-12-21</td><td>Hoffman et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>11</td><td>5592356</td><td>1997-01-07</td><td>Ryl et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>12</td><td>6051897</td><td>2000-04-18</td><td>Wissler et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>13</td><td>6265956</td><td>2001-07-24</td><td>Cascolan et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>14</td><td>6392516</td><td>2002-05-21</td><td>Ward et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>15</td><td>6459348</td><td>2002-10-01</td><td>Birkelund</td><td></td><td></td><td></td></tr><tr><td></td><td>16</td><td>6489870</td><td>2002-12-03</td><td>Ward et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>17</td><td>6498416</td><td>2002-12-24</td><td>Oishi et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>18</td><td>6501357</td><td>2002-12-31</td><td>Petro</td><td></td><td></td><td></td></tr><tr><td></td><td>19</td><td>D378513</td><td>1997-03-18</td><td>Bandas et al.</td><td></td><td></td><td></td></tr></tbody></table>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass		1	4074157	1978-02-14	Lace					2	4086647	1978-04-25	Lace					3	RE32793	1988-11-29	Baker et al.					4	4168516	1979-09-18	Lace					5	4407517	1983-10-04	Neyer					6	4626860	1986-11-18	Baker et al.					7	4679017	1987-07-07	Mishler et al.					8	4871989	1989-10-03	Gross					9	4922873	1990-05-08	Gaeti					10	5272458	1993-12-21	Hoffman et al.					11	5592356	1997-01-07	Ryl et al.					12	6051897	2000-04-18	Wissler et al.					13	6265956	2001-07-24	Cascolan et al.					14	6392516	2002-05-21	Ward et al.					15	6459348	2002-10-01	Birkelund					16	6489870	2002-12-03	Ward et al.					17	6498416	2002-12-24	Oishi et al.					18	6501357	2002-12-31	Petro					19	D378513	1997-03-18	Bandas et al.			
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